

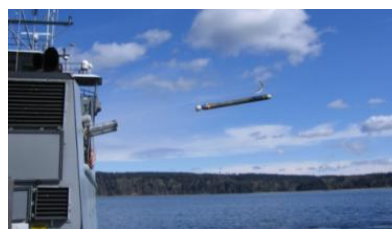
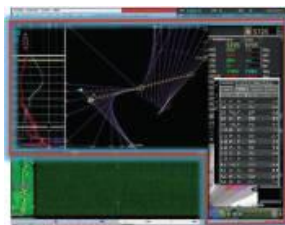
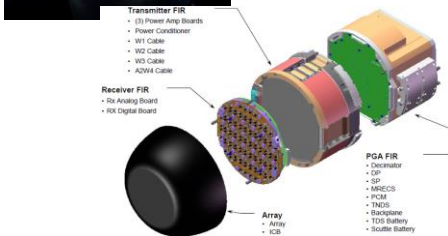


Undersea Systems Team Submarine Small Business Industry Day August 21, 2018



Team Submarine Portfolio

- **VIRGINIA Class SSN**
- **COLUMBIA Class**
- **Torpedo Defense Systems (Surface Ship and Submarine)**
- **Periscopes, Photonics, Imaging Systems**
- **Integrated Undersea Surveillance System**
- **Electronic Warfare Systems and Antennas**
- **Sonar Systems and Sensors (A-RCI)**
- **MK 48 Heavyweight Torpedo**
- **MK 54 Lightweight Torpedo**
- **Advanced Undersea Systems**
- **In-service Dry Deck Shelters**
- **Submarine Safety and Quality Assurance**
- **Submarine Trainers**
- **Submarine Rescue**
- **Undersea Technologies**
- **Combat and Weapons Control System (AN/BYG-1)**





Small Business Entry Opportunities

- **Long Range Acquisition Forecast (LRAF)**
 - POC SEA02CI (202) 781-2872
 - www.fedbizops.com
- **Undersea Technology Other Transaction Authority (OTA)**
 - POC (401) 832-369
 - www.underseatech.org
- **Small Business Innovative Research (SBIR)**
 - Team SUB Coordinator, 203-781-1216
 - <https://www.navysbir.com/index.html>
- **DoN Rapid Innovation Program**
 - Team SUB Coordinator, 203-781-3220
 - www.fedbizops.com



Team SUB Small Business Advocates

CODE	Program	Phone
SUB CO	Program Support	(202) 781-5239
SUB I	International Programs	(202) 781-1348
SEA073	Undersea Technology	(202) 781-1216
SEA07TR	Submarine Training Systems	(202) 781-5184
PMS391	Submarine Escape & Rescue	(202) 781-3148
PMS392	Strategic/Attack Submarines	(202) 781-1190
PMS394	Advanced Undersea Systems	(202) 781-7456
PMS397	COLUMBIA Class	(202) 781-1236
PMS399	SOF Undersea Mobility	(202) 781-4125
PMS401	Submarine Acoustics	(202) 781-1192
PMS404	Undersea Weapons	(202) 781- 4957
PMS415	Undersea Defensive Systems	(202) 781-1441
PMS425	Submarine Combat and Weapons Control	(202) 781-0928
PMS435	Submarine electromagnetic Systems	(202) 781-2821
PMS450	VIRGINIA CLASS	(202) 781-1318
PMS485	Maritime Surveillance Systems	(619) 524-7653



Small Business Investment Areas

- Sonar, Combat and Torpedo Capability
- Weapon Payload Control
- HF Stimulation
- Common Acoustic Cabinet
- Acoustic Intercept and Ranging
- Combat Systems of the Future
- On-Board Team Trainer
- Information Automation
- Technology Infusion
- Information Assurance
- Weapon Launchers and Simulators
- Program Management Support





PEO SUB SBIR Transitions

PEO SUB > \$1.5B in Phase III Investment

Cardinal Engineering / Weidlinger Associates
Shock Analysis

www technologies
Ship Control Architecture

CCSM
Planning Systems Inc
GCCS Development &
COTS Applications

DSR
Advanced Information Systems
Software Migration Legacy Trainer
Photonics Mast Workstation

Rite Solutions
Mission/engagement planning s/w

Progeny
Audio Signals
Active Emissions
Information Assurance
AN/WLR-1 AI&R
Manning Reduction

Trident Systems
Mobile Computing for
Submarine Applications

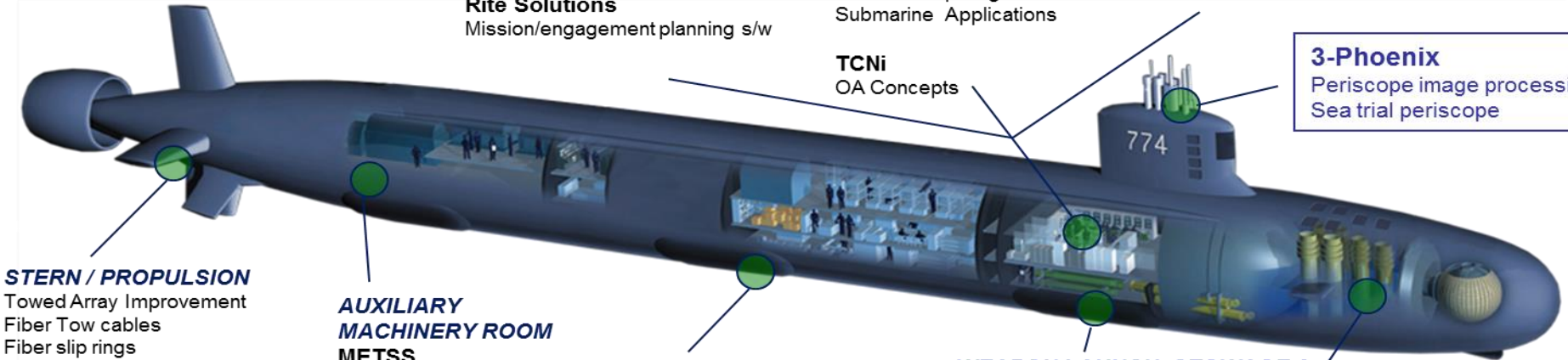
TCNi
OA Concepts

Rite Solutions
Future Combat System Planning
On Board Team Trainer

Chesapeake Science Corp.
TSMS Telemetry

Jackpine Technologies
Common Submarine Radio Room Software

3-Phoenix
Periscope image processing
Sea trial periscope



STERN / PROPULSION
Towed Array Improvement
Fiber Tow cables
Fiber slip rings
Heading sensors
telemetry
Chesapeake Sciences Corp

AUXILIARY MACHINERY ROOM
METSS
Synthetic Lubricating &
Hydraulic Oil

HULL
Compudrive
Electromechanical
Actuators

Seeman Composites
Non-Autoclave Composite
Systems and fairings

AAC
Acoustic sensors

Sedna
HF Sim/Stim

WEAPON LAUNCH, STOWAGE & HANDLING
Progeny
Tools for VME Interactive
Acoustic Analysis Process
Multi Tube Weapon Simulator
Common Weapon Launcher
Pacific Engineering Inc. (PEI)
Ready Stow Group (RSG) Launch
Cradle

TRI
Composite Torpedo Room Temp
Berthing and weapon handling cradles

MK54 Mod 1 Array

- SBIR Reasons:**
1. Risk reduction
 2. Technology insertion
 3. Obsolete component replacements
 4. Establish competition where there is none



Upcoming Opportunities

- Management Support, 2 Set Aside contracts (SUB CO)
- Operational SW Improvements, Undersea Technology OTA (PMS404)
- Improved Payload Launch Control System, Undersea Technology OTA (PMS404)
- FY19 SBIR Phase I Topics (SEA073)
- FY19 Rapid Innovation Fund BAA
- Cost Analysis and Total Ownership Cost Modeling (PMS397)
- Multi Mission Mast (PMS 435)
- Submarine Rescue (PMS 391)
- SRDRS Planning (PMS 391)
- Combat Payload Control System (PMS425)
- Light Weight Low Cost Conformal Array (PMS401)



Questions